

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

### Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	03/28/2016 03/28/2016	Richard Willoughby

LM Start	<b>0.00</b>	Rating **	A	Issue No.	<b>58</b>
LM End	<b>0.00</b>	Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Operations & Maintenance Manuals			°	°
				°	°
DWR ID	DWR_RD0563_01_s_2012_58				
Comment Code					
Inspector Comment					
The LMA has a copy of the O&M Manual.					

No Photos

LM Start	<b>0.00</b>	Rating **	A	Issue No.	<b>101</b>
LM End	<b>0.00</b>	Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Emergency Supplies & Equipment			°	°
				°	°
DWR ID	DWR_RD0563_01_s_2013_101				
Comment Code					
Inspector Comment					
The LMA maintains an adequate stockpile of flood fight supplies.					

No Photos

LM Start	<b>0.00</b>	Rating **	A	Issue No.	<b>102</b>
LM End	<b>0.00</b>	Issue Type +	Ma	Location *	N/A
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Flood Preparedness & Training			°	°
				°	°
DWR ID	DWR_RD0563_01_s_2013_102				
Comment Code					
Inspector Comment					
The LMA has received flood fight training.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	---

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

### Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	03/28/2016 03/28/2016	Richard Willoughby

LM Start	0.00	Rating **	M	Issue No.	131
LM End	12.09	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.235244 °	38.130656 °
				-121.517335 °	-121.577961 °
DWR ID	DWR_RD0563_01_s _ 2016_131				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	0.00	Rating **	M	Issue No.	130
LM End	12.09	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.235252 °	38.130656 °
				-121.517334 °	-121.577960 °
DWR ID	DWR_RD0563_01_s _ 2016_130				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

LM Start	0.08	Rating **	A/W	Issue No.	1
LM End	0.09	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.234323 °	38.234216 °
				-121.518200 °	-121.518324 °
DWR ID	DWR_RD0563_01_s _ 2012_1				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
--	--	---	--	---	--

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

### Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	03/28/2016 03/28/2016	Richard Willoughby

LM Start	0.10	Rating **	M	Issue No.	59
LM End	0.10	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.234113 °	38.234113 °
				-121.518467 °	-121.518467 °
DWR ID	DWR_RD0563_01_s _ 2013_59				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					
Dead tree should be removed.					

Photo 1 of 1 : SP\_2016\_RD0563\_210\_59\_20160330\_00227.jpg



Looking northeast at dead tree on landward slope.

LM Start	0.11	Rating **	A/W	Issue No.	4
LM End	0.11	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.234018 °	38.234018 °
				-121.518547 °	-121.518547 °
DWR ID	DWR_RD0563_01_s _ 2012_4				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	0.12	Rating **	A/W	Issue No.	28
LM End	0.14	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.233910 °	38.233655 °
				-121.518722 °	-121.519000 °
DWR ID	DWR_RD0563_01_s _ 2012_28				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

Photo 1 of 2 : SP\_2016\_RD0563\_210\_28\_20160308\_00029.jpg



Looking east at sprinklers on landside slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
--	--	---	--	---	--

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

### Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	03/28/2016 03/28/2016	Richard Willoughby

LM Start	0.12	Rating **	A/W	Issue No.	28 (cont)	
LM End	0.14	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Trim / Thin Trees			38.233910 °		38.233655 °
				-121.518722 °		-121.519000 °
DWR ID	DWR_RD0563_01_s _ 2012_28					
Comment Code						
T1 : Trim trees to at least five feet above ground level.						
Inspector Comment						

Photo 2 of 2 : SP\_2016\_RD0563\_210\_28\_20160308\_00030.jpg



Looking southeast at landscaping on landside slope and toe.

LM Start	0.17	Rating **	M	Issue No.	32
LM End	0.17	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.233315 °	38.233315 °
				-121.519360 °	-121.519360 °
DWR ID	DWR_RD0563_01_s _ 2012_32				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Tree fallen across waterward slope.					

Photo 1 of 1 : SP\_2016\_RD0563\_210\_32\_20160308\_00033.jpg



Looking south (downstream) at fallen tree limb on waterside slope.

LM Start	0.19	Rating **	A/W	Issue No.	2
LM End	0.19	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.233126 °	38.233126 °
				-121.519525 °	-121.519525 °
DWR ID	DWR_RD0563_01_s _ 2012_2				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

### Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	03/28/2016 03/28/2016	Richard Willoughby

LM Start	0.20	Rating **	A/W	Issue No.	18
LM End	0.20	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.232967 °	38.232967 °
				-121.519727 °	-121.519727 °
DWR ID	DWR_RD0563_01_f_2014_18				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	0.33	Rating **	U	Issue No.	135
LM End	0.33	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.231548 °	38.231548 °
				-121.521140 °	-121.521140 °
DWR ID	DWR_RD0563_01_f_2015_135				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					
Untrimmed tree on landward slope.					

Photo 1 of 1 : SP\_2016\_RD0563\_210\_135\_20160330\_00228.jpg



Looking southeast at untrimmed tree on landward slope.

LM Start	0.35	Rating **	A/W	Issue No.	136
LM End	0.38	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.231317 °	38.230987 °
				-121.521378 °	-121.521741 °
DWR ID	DWR_RD0563_01_f_2015_136				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Dense willows on waterward slope within twenty foot zone.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
--	--	---	--	---	--



**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

### Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	03/28/2016 03/28/2016	Richard Willoughby

LM Start	0.39	Rating **	M	Issue No.	16
LM End	0.39	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.230841 °	38.230841 °
				-121.521898 °	-121.521898 °
DWR ID	DWR_RD0563_01_f_2013_16				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					
Slope damage is due to fishermen vehicle traffic.					

Photo 1 of 1 : SP\_2016\_RD0563\_210\_16\_20160308\_00020.jpg



Looking southwest at slope damage caused by vehicle traffic.

LM Start	0.43	Rating **	M	Issue No.	26
LM End	0.43	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.230460 °	38.230460 °
				-121.522324 °	-121.522324 °
DWR ID	DWR_RD0563_01_f_2013_26				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					
Slope damage due to fishermen vehicle traffic.					

Photo 1 of 1 : SP\_2016\_RD0563\_210\_26\_20160308\_00027.jpg



Looking northwest at slope damage caused by vehicle traffic.

LM Start	0.50	Rating **	A/W	Issue No.	138
LM End	0.65	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.229625 °	38.228094 °
				-121.523135 °	-121.525188 °
DWR ID	DWR_RD0563_01_f_2015_138				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Moderate johnson grasses on landward slope.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
--	--	--	--	---	--	---	--

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

### Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	03/28/2016 03/28/2016	Richard Willoughby

LM Start	0.56	Rating **	M	Issue No.	34
LM End	0.56	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.228948 °	38.228948 °
				-121.523904 °	-121.523904 °
DWR ID	DWR_RD0563_01_f_2013_34				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					
Slope damage is due to fishermen vehicle traffic.					

Photo 1 of 1 : SP\_2016\_RD0563\_210\_34\_20160308\_00035.jpg



Looking northwest at slope damage caused by vehicle traffic.

LM Start	0.60	Rating **	U	Issue No.	139
LM End	0.60	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.228605 °	38.228605 °
				-121.524364 °	-121.524364 °
DWR ID	DWR_RD0563_01_f_2015_139				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Large fallen tree on waterward slope. Fallen tree left large hole on waterward berm.					

Photo 1 of 5 : SP\_2016\_RD0563\_210\_139\_20160308\_00120.jpg



Looking southeast at fallen tree on waterward slope.

LM Start	<b>0.60</b>	Rating **	U	Issue No.	<b>139 (cont)</b>
LM End	<b>0.60</b>	Issue Type +	Ma	Location *	WS

Photo 2 of 5 : SP\_2016\_RD0563\_210\_139\_20160308\_00121.jpg



Looking south at fallen tree on waterward slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
--	--	---	--	---	--



**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

### Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	03/28/2016 03/28/2016	Richard Willoughby

LM Start	0.60	Rating **	U	Issue No.	139 (cont)	
LM End	0.60	Issue Type +	Ma	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Encroachments			38.228605 °	38.228605 °	
				-121.524364 °	-121.524364 °	
DWR ID	DWR_RD0563_01_f_2015_139					
Comment Code						
TR : Tree or limb						
Inspector Comment						
Large fallen tree on waterward slope. Fallen tree left large hole on waterward berm.						

Photo 3 of 5 : SP\_2016\_RD0563\_210\_139\_20160308\_00122.jpg



Looking at stump of fallen tree on waterward berm.

LM Start	<b>0.60</b>	Rating **	U	Issue No.	<b>139 (cont)</b>
LM End	<b>0.60</b>	Issue Type +	Ma	Location *	WS

Photo 4 of 5 : SP\_2016\_RD0563\_210\_139\_20160308\_00123.jpg



Looking northwest at fallen tree on waterward slope.

LM Start	<b>0.60</b>	Rating **	U	Issue No.	<b>139 (cont)</b>
LM End	<b>0.60</b>	Issue Type +	Ma	Location *	WS

Photo 5 of 5 : SP\_2016\_RD0563\_210\_139\_20160308\_00124.jpg



Looking at large hole left by fallen tree on waterward berm.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
--	--	--	--	---	--	---	--



**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

### Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	03/28/2016 03/28/2016	Richard Willoughby

LM Start	0.61	Rating **	M	Issue No.	143
LM End	0.61	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.228507 °	38.228507 °
				-121.524543 °	-121.524543 °
DWR ID	DWR_RD0563_01_f_2014_143				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					
Slope damage due to vehicle traffic.					

Photo 1 of 2 : SP\_2016\_RD0563\_210\_143\_20160308\_00129.jpg



Looking southeast at slope damage on waterward slope.

LM Start	<b>0.61</b>	Rating **	M	Issue No.	<b>143 (cont)</b>
LM End	<b>0.61</b>	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : SP\_2016\_RD0563\_210\_143\_20160308\_00130.jpg



Looking northwest at slope damage on waterward slope.

LM Start	0.72	Rating **	A/W	Issue No.	754
LM End	0.79	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.227287 °	38.226376 °
				-121.525832 °	-121.525908 °
DWR ID	DWR_RD0563_01_s_2015_754				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

Photo 1 of 1 : SP\_2016\_RD0563\_210\_754\_20160308\_00139.jpg



Looking southeast at dense vegetation at landward toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
--	--	---	--	---	--

**Flood Control Project Maintenance  
Levee Inspections**

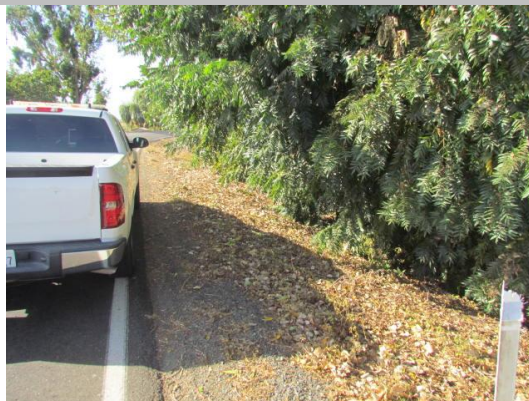
## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

### Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	03/28/2016 03/28/2016	Richard Willoughby

LM Start	0.79	Rating **	M	Issue No.	3
LM End	0.79	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.226370 °	38.226370 °
				-121.525912 °	-121.525912 °
DWR ID	DWR_RD0563_01_s_2012_3				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

Photo 1 of 1 : SP\_2016\_RD0563\_210\_3\_20160308\_00001.jpg



Looking south at untrimmed trees on waterward slope and toe.

LM Start	0.84	Rating **	A/W	Issue No.	9
LM End	0.84	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.225685 °	38.225685 °
				-121.526288 °	-121.526288 °
DWR ID	DWR_RD0563_01_s_2012_9				
Comment Code					
PR : Prunings					
Inspector Comment					
Prunings on waterside slope should be burned or removed.					

Photo 1 of 2 : SP\_2016\_RD0563\_210\_9\_20160308\_00009.jpg



Looking northeast at tree limbs on waterward slope.

LM Start	<b>0.84</b>	Rating **	A/W	Issue No.	<b>9 (cont)</b>
LM End	<b>0.84</b>	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : SP\_2016\_RD0563\_210\_9\_20160308\_00010.jpg



Looking southwest at tree limbs on waterside slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	--	---



**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

### Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	03/28/2016 03/28/2016	Richard Willoughby

LM Start	0.89	Rating **	M	Issue No.	144
LM End	0.89	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.225477 °	38.225477 °
				-121.527047 °	-121.527047 °
DWR ID	DWR_RD0563_01_f_2014_144				
Comment Code					
PR : Prunings					
Inspector Comment					
Tree limbs on waterward slope.					

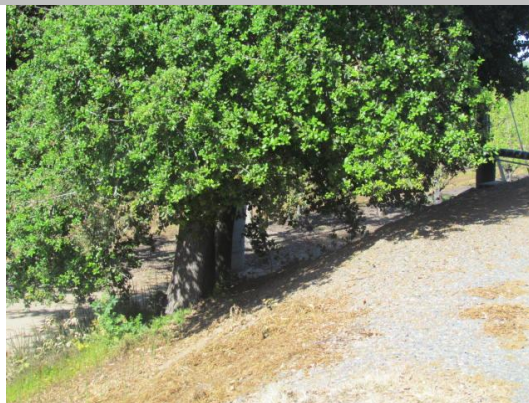
Photo 1 of 1 : SP\_2016\_RD0563\_210\_144\_20160308\_00131.jpg



Looking at tree limbs on waterward shoulder and slope.

LM Start	0.92	Rating **	U	Issue No.	755
LM End	0.92	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.225549 °	38.225549 °
				-121.527658 °	-121.527658 °
DWR ID	DWR_RD0563_01_s_2015_755				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

Photo 1 of 1 : SP\_2016\_RD0563\_210\_755\_20160330\_00229.jpg



Looking southeast at untrimmed tree on landward slope.

LM Start	0.98	Rating **	U	Issue No.	756
LM End	0.98	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.226011 °	38.226011 °
				-121.528524 °	-121.528524 °
DWR ID	DWR_RD0563_01_s_2015_756				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

Photo 1 of 1 : SP\_2016\_RD0563\_210\_756\_20160330\_00230.jpg



Looking southeast at untrimmed tree on landward slope.

**\* Location**

LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement



**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

### Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	03/28/2016 03/28/2016	Richard Willoughby

LM Start	0.99	Rating **	M	Issue No.	147
LM End	0.99	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.226138 °	38.226138 °
				-121.528745 °	-121.528745 °
DWR ID	DWR_RD0563_01_f_2014_147				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	0.99	Rating **	M	Issue No.	132
LM End	0.99	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.226149 °	38.226149 °
				-121.528789 °	-121.528789 °
DWR ID	DWR_RD0563_01_s_2016_132				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					
Small trees on landward shoulder be removed.					

Photo 1 of 1 : SP\_2016\_RD0563\_210\_132\_20160330\_00231.jpg



Looking southeast at several small trees at landward toe.

LM Start	1.01	Rating **	M	Issue No.	757
LM End	1.01	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.226294 °	38.226294 °
				-121.529055 °	-121.529055 °
DWR ID	DWR_RD0563_01_s_2015_757				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

Photo 1 of 1 : SP\_2016\_RD0563\_210\_757\_20160308\_00140.jpg



Looking at untrimmed trees on landward slope.

**\* Location**  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

**\*\* Rating**  
A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

### Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	03/28/2016 03/28/2016	Richard Willoughby

LM Start	1.02	Rating **	M	Issue No.	48
LM End	1.11	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.226522 °	38.227157 °
				-121.529094 °	-121.530432 °
DWR ID	DWR_RD0563_01_s_2016_48				
Comment Code					
Inspector Comment					
2011 - Short sections of eroding bank at the waterline and holes in toe of levee. 2012 - Site extended upstream. 2013 - Erosion pockets filled with an insufficient amounts of revetment. 2015: Last observed in 2013. [2015 Site ID: GEO_11-0_L]					

Photo 1 of 1 : SP\_2016\_RD0563\_210\_48\_20160308\_00047.jpg



USACE 2013 Photo #1

LM Start	1.09	Rating **	M	Issue No.	758
LM End	1.11	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.226892 °	38.227053 °
				-121.530234 °	-121.530632 °
DWR ID	DWR_RD0563_01_s_2015_758				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	1.15	Rating **	U	Issue No.	153
LM End	1.15	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.226910 °	38.226910 °
				-121.531294 °	-121.531294 °
DWR ID	DWR_RD0563_01_f_2015_153				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Several large to medium rodent holes noted.					

Photo 1 of 1 : SP\_2016\_RD0563\_210\_153\_20160308\_00135.jpg



Looking at typical view of several rodent holes on landward slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain			





**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

### Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	03/28/2016 03/28/2016	Richard Willoughby

LM Start	1.27	Rating **	M	Issue No.	64	
LM End	1.27	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Trim / Thin Trees			38.225730 °		38.225730 °
				-121.532824 °		-121.532824 °
DWR ID	DWR_RD0563_01_f_2012_64					
Comment Code						
T1 : Trim trees to at least five feet above ground level.						
Inspector Comment						
Trees located at landside toe.						

Photo 1 of 1 : SP\_2016\_RD0563\_210\_64\_20160308\_00059.jpg



Looking southeast at fruit trees on landside toe.

LM Start	1.32	Rating **	U	Issue No.	79
LM End	1.32	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.225177 °	38.225177 °
				-121.533285 °	-121.533285 °
DWR ID	DWR_RD0563_01_f_2013_79				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

Photo 1 of 1 : SP\_2016\_RD0563\_210\_79\_20160330\_00235.jpg



Looking northeast at untrimmed trees on landward slope and toe.

LM Start	1.36	Rating **	M	Issue No.	7
LM End	1.36	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.224690 °	38.224690 °
				-121.533731 °	-121.533731 °
DWR ID	DWR_RD0563_01_s_2012_7				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

Photo 1 of 1 : SP\_2016\_RD0563\_210\_7\_20160330\_00239.jpg



Looking southeast at untrimmed tree at landward toe.

<b>* Location</b>		<b>** Rating</b>		<b>+ Issue Type</b>	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

### Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	03/28/2016 03/28/2016	Richard Willoughby

LM Start	1.39	Rating **	M	Issue No.	19
LM End	1.39	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.224367 °	38.224367 °
				-121.534165 °	-121.534165 °
DWR ID	DWR_RD0563_01_s_2012_19				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Broken tree along waterside slope.					

Photo 1 of 1 : SP\_2016\_RD0563\_210\_19\_20160308\_00022.jpg



Looking south at a downed tree on waterside slope.

LM Start	1.40	Rating **	M	Issue No.	6
LM End	1.44	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.224280 °	38.224000 °
				-121.534377 °	-121.535038 °
DWR ID	DWR_RD0563_01_s_2012_6				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Remove the century plant from waterward shoulder.					

Photo 1 of 2 : SP\_2016\_RD0563\_210\_6\_20160308\_00004.jpg



Updated view looking upstream at a century plant on waterside shoulder slope.

LM Start	<b>1.40</b>	Rating **	M	Issue No.	<b>6 (cont)</b>
LM End	<b>1.44</b>	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : SP\_2016\_RD0563\_210\_6\_20160308\_00005.jpg



Century plant on waterward shoulder at LM 1.42

* Location LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
---	--	---	--	---	--	--	--

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

### Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	03/28/2016 03/28/2016	Richard Willoughby

LM Start	1.42	Rating **	M	Issue No.	759
LM End	1.42	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.224150 °	38.224150 °
				-121.534565 °	-121.534565 °
DWR ID	DWR_RD0563_01_s_2015_759				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

Photo 1 of 1 : SP\_2016\_RD0563\_210\_759\_20160330\_00240.jpg



Looking northwest at untrimmed trees on waterward slope and toe.

LM Start	1.43	Rating **	A/W	Issue No.	30
LM End	1.43	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.224072 °	38.224072 °
				-121.534827 °	-121.534827 °
DWR ID	DWR_RD0563_01_s_2012_30				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	1.43	Rating **	A/W	Issue No.	156
LM End	1.52	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.224069 °	38.223628 °
				-121.534836 °	-121.536419 °
DWR ID	DWR_RD0563_01_f_2015_156				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Willows on waterward slope within twenty foot zone.					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	



**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

### Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	03/28/2016 03/28/2016	Richard Willoughby

LM Start	1.48	Rating **	M	Issue No.	760
LM End	1.48	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.223835 °	38.223835 °
				-121.535605 °	-121.535605 °
DWR ID	DWR_RD0563_01_s _ 2015_760				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	1.51	Rating **	A/W	Issue No.	52
LM End	1.51	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.223700 °	38.223700 °
				-121.536157 °	-121.536157 °
DWR ID	DWR_RD0563_01_s _2012_52				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	1.59	Rating **	M	Issue No.	56
LM End	1.62	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.223332 °	38.223247 °
				-121.537635 °	-121.538095 °
DWR ID	DWR_RD0563_01_s _ 2012_56				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

### Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	03/28/2016 03/28/2016	Richard Willoughby

LM Start	1.73	Rating **	A/W	Issue No.	83
LM End	1.73	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.222967 °	38.222967 °
				-121.540055 °	-121.540055 °
DWR ID	DWR_RD0563_01_s_2012_83				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : SP\_2016\_RD0563\_210\_83\_20160308\_00084.jpg



Looking west at rodent hole on landside slope.

LM Start	1.86	Rating **	M	Issue No.	761
LM End	1.86	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.222718 °	38.222718 °
				-121.542563 °	-121.542563 °
DWR ID	DWR_RD0563_01_s_2015_761				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

LM Start	1.92	Rating **	A/W	Issue No.	96
LM End	1.92	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.222299 °	38.222299 °
				-121.543366 °	-121.543366 °
DWR ID	DWR_RD0563_01_f_2013_96				
Comment Code					
PR : Prunings					
Inspector Comment					
Large pruning pile at landward toe. Landowner has burned pile, but pile is still within right away.					

Photo 1 of 2 : SP\_2016\_RD0563\_210\_96\_20160308\_00105.jpg



Looking south at pruning piles at landward toe. (Fall 2015)

<b>* Location</b>		<b>** Rating</b>		<b>+ Issue Type</b>	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

### Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	03/28/2016 03/28/2016	Richard Willoughby

LM Start	1.92	Rating **	A/W	Issue No.	96 (cont)	
LM End	1.92	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Encroachments			38.222299 °		38.222299 °
				-121.543366 °		-121.543366 °
DWR ID	DWR_RD0563_01_f_2013_96					
Comment Code						
PR : Prunings						
Inspector Comment						
Large pruning pile at landward toe. Landowner has burned pile, but pile is still within right away.						

Photo 2 of 2 : SP\_2016\_RD0563\_210\_96\_20160308\_00106.jpg



Looking north at partially burned pruning pile at landward toe. (Spring 2015)

LM Start	1.94	Rating **	A/W	Issue No.	157
LM End	1.94	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.222080 °	38.222080 °
				-121.543445 °	-121.543445 °
DWR ID	DWR_RD0563_01_f_2015_157				
Comment Code					
GA : Garbage					
Inspector Comment					
Landowner stockpiling garbage at landward toe.					

Photo 1 of 1 : SP\_2016\_RD0563\_210\_157\_20160308\_00136.jpg



Looking at garbage stockpile at landward toe.

LM Start	1.95	Rating **	M	Issue No.	71
LM End	1.95	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.221826 °	38.221826 °
				-121.543467 °	-121.543467 °
DWR ID	DWR_RD0563_01_f_2012_71				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					
Erosion around irrigation pump house and pipe on landside slope.					

Photo 1 of 2 : SP\_2016\_RD0563\_210\_71\_20160308\_00063.jpg



Looking west at erosion at landside toe and slope next to pump house.

\* Location  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

\*\* Rating  
A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

+ Issue Type  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement



**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

### Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	03/28/2016 03/28/2016	Richard Willoughby

LM Start	1.95	Rating **	M	Issue No.	71 (cont)	
LM End	1.95	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Erosion / Bank Caving			38.221826 °		38.221826 °
				-121.543467 °		-121.543467 °
DWR ID	DWR_RD0563_01_f_2012_71					
Comment Code						
E1 : Note and monitor erosion site.						
Inspector Comment						
Erosion around irrigation pump house and pipe on landside slope.						

Photo 2 of 2 : SP\_2016\_RD0563\_210\_71\_20160308\_00064.jpg



Looking southwest at erosion around irrigation pipe on landside slope and toe.

LM Start	2.08	Rating **	M	Issue No.	14
LM End	2.19	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.220028 °	38.218494 °
				-121.542922 °	-121.542646 °
DWR ID	DWR_RD0563_01_s_2012_14				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	2.19	Rating **	M	Issue No.	33
LM End	2.19	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.218463 °	38.218463 °
				-121.542650 °	-121.542650 °
DWR ID	DWR_RD0563_01_s_2012_33				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					
Rodent holes on landside shoulder.					

Photo 1 of 1 : SP\_2016\_RD0563\_210\_33\_20160308\_00034.jpg



Looking southeast at squirrel holes on landside shoulder.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain			

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

### Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	03/28/2016 03/28/2016	Richard Willoughby

LM Start	2.26	Rating **	A/W	Issue No.	148
LM End	2.26	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.217543 °	38.217543 °
				-121.542478 °	-121.542478 °
DWR ID	DWR_RD0563_01_f_2014_148				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	2.33	Rating **	M	Issue No.	66
LM End	3.91	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			38.216733 °	38.130665 °
				-121.541672 °	-121.578055 °
DWR ID	DWR_RD0563_01_s_2013_66				
Comment Code					
C3 : Add appropriate gravel or road base. Grade and compact.					
Inspector Comment					
The roadway is passable, but should be bladed to maintain a good roadway with good gravel and a smooth surface. Some material may need to be added.					

No Photos

LM Start	2.39	Rating **	A/W	Issue No.	11
LM End	2.40	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.216242 °	38.216147 °
				-121.540835 °	-121.540612 °
DWR ID	DWR_RD0563_01_s_2012_11				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					
District is controlling the elderberry.					

Photo 1 of 2 : SP\_2016\_RD0563\_210\_11\_20160308\_00014.jpg



Look southeast at updated (10/11) view of elderberries on landside slope.

<b>* Location</b>		<b>** Rating</b>		<b>+ Issue Type</b>	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

### Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	03/28/2016 03/28/2016	Richard Willoughby

LM Start	2.39	Rating **	A/W	Issue No.	11 (cont)	
LM End	2.40	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Vegetation			38.216242 °		38.216147 °
				-121.540835 °		-121.540612 °
DWR ID	DWR_RD0563_01_s_2012_11					
Comment Code						
V4 : Elderberries are blocking visibility and flood fight capability.						
Inspector Comment						
District is controlling the elderberry.						

Photo 2 of 2 : SP\_2016\_RD0563\_210\_11\_20160308\_00015.jpg



Looking southeast at elderberry on the landside slope and toe.

LM Start	2.40	Rating **	U	Issue No.	12
LM End	2.41	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.216122 °	38.216047 °
				-121.540555 °	-121.540415 °
DWR ID	DWR_RD0563_01_s_2012_12				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

Photo 1 of 2 : SP\_2016\_RD0563\_210\_12\_20160308\_00016.jpg

Looking south at dense elderberry on waterward shoulder and slope.  
(Spring 2015)

LM Start	<b>2.40</b>	Rating **	U	Issue No.	<b>12 (cont)</b>
LM End	<b>2.41</b>	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : SP\_2016\_RD0563\_210\_12\_20160308\_00017.jpg

Looking southwest at dense elderberry on waterside shoulder and slope.  
(Fall 2014)

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
--	--	---	--	---	--



**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

### Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	03/28/2016 03/28/2016	Richard Willoughby

LM Start	2.53	Rating **	M	Issue No.	85
LM End	2.55	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.215082 °	38.214852 °
				-121.538652 °	-121.538305 °
DWR ID	DWR_RD0563_01_s_2012_85				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 4 : SP\_2016\_RD0563\_210\_85\_20160308\_00087.jpg



Looking west at rodent hole on landside slope.

LM Start	2.53	Rating **	M	Issue No.	85 (cont)
LM End	2.55	Issue Type +	Ma	Location *	LS

Photo 2 of 4 : SP\_2016\_RD0563\_210\_85\_20160308\_00088.jpg



Looking east at rodent hole on landside slope.

LM Start	2.53	Rating **	M	Issue No.	85 (cont)
LM End	2.55	Issue Type +	Ma	Location *	LS

Photo 3 of 4 : SP\_2016\_RD0563\_210\_85\_20160308\_00089.jpg



Looking southwest at rodent holes on landside slope.

* Location LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
---	--	---	--	---	--	--	--

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

### Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	03/28/2016 03/28/2016	Richard Willoughby

LM Start	2.53	Rating **	M	Issue No.	85 (cont)	
LM End	2.55	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Animal Control			38.215082 °		38.214852 °
				-121.538652 °		-121.538305 °
DWR ID	DWR_RD0563_01_s _ 2012_85					
Comment Code						
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.						
Inspector Comment						

Photo 4 of 4 : SP\_2016\_RD0563\_210\_85\_20160308\_00090.jpg



Looking northeast at rodent holes on landside slope.

LM Start	2.53	Rating **	A/W	Issue No.	20
LM End	2.53	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.215047 °	38.215047 °
				-121.538604 °	-121.538604 °
DWR ID	DWR_RD0563_01_s _2012_20				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	2.58	Rating **	A/W	Issue No.	21
LM End	2.65	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.214567 °	38.213728 °
				-121.537945 °	-121.537272 °
DWR ID	DWR_RD0563_01_s _ 2012_21				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	--	---

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

### Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	03/28/2016 03/28/2016	Richard Willoughby

LM Start	2.61	Rating **	M	Issue No.	39
LM End	2.82	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.214133 °	38.211737 °
				-121.537778 °	-121.535436 °
DWR ID	DWR_RD0563_01_s_2016_39				
Comment Code					
Inspector Comment					
1997 - Loss of rock at toe; pockets of upper berm erosion; very narrow berm width; toe rock problem; erosion pockets in rock. 2002 - New brush boxes at toe of the worst spots. 2005 - Upstream 200 ft removed because of the wide berm. 2006 - Some rock repair pockets behind the brush boxes at the upstream end. 2010 - Some new erosion. 2013 - New rock placed on the levee slope. 2015: Last observed in 2013. [2015 Site ID: GEO_9-3_L]					

Photo 1 of 1 : SP\_2016\_RD0563\_210\_39\_20160308\_00038.jpg



USACE 2013 Photo #1

LM Start	2.67	Rating **	A/W	Issue No.	149
LM End	2.67	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.213460 °	38.213460 °
				-121.537085 °	-121.537085 °
DWR ID	DWR_RD0563_01_f_2014_149				
Comment Code					
T4 : Trim trees over roadway to at least 12 feet above ground level.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	--	---



**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

### Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	03/28/2016 03/28/2016	Richard Willoughby

LM Start	2.70	Rating **	M	Issue No.	162
LM End	2.70	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.213096 °	38.213096 °
				-121.536738 °	-121.536738 °
DWR ID	DWR_RD0563_01_s_2016_162				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					
Untrimmed tree on waterward shoulder.					

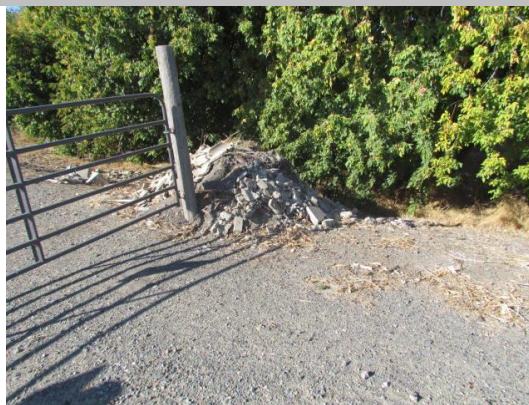
No Photos

LM Start	2.80	Rating **	M	Issue No.	158
LM End	2.80	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.212003 °	38.212003 °
				-121.535480 °	-121.535480 °
DWR ID	DWR_RD0563_01_f_2015_158				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	2.89	Rating **	M	Issue No.	104
LM End	2.89	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.210966 °	38.210966 °
				-121.534813 °	-121.534813 °
DWR ID	DWR_RD0563_01_f_2013_104				
Comment Code					
MA : Material					
Inspector Comment					
Landowner stockpiled concrete rubble on landward and waterward slope to stop trespassers. Landowner should replace the stockpile with a proper fence.					

Photo 1 of 2 : SP\_2016\_RD0563\_210\_104\_20160308\_00115.jpg



Looking west at concrete rubble on waterward shoulder and slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
--	--	---	--	---	--

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

### Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	03/28/2016 03/28/2016	Richard Willoughby

LM Start	2.89	Rating **	M	Issue No.	104 (cont)	
LM End	2.89	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Encroachments			38.210966 °		38.210966 °
				-121.534813 °		-121.534813 °
DWR ID	DWR_RD0563_01_f_2013_104					
Comment Code						
MA : Material						
Inspector Comment						
Landowner stockpiled concrete rubble on landward and waterward slope to stop trespassers. Landowner should replace the stockpile with a proper fence.						

Photo 2 of 2 : SP\_2016\_RD0563\_210\_104\_20160308\_00116.jpg



Looking east at concrete rubble on landward slope.

LM Start	2.94	Rating **	M	Issue No.	67
LM End	2.94	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.210402 °	38.210402 °
				-121.535268 °	-121.535268 °
DWR ID	DWR_RD0563_01_s_2012_67				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Vines (Berry or wildroses) on landside toe.					

Photo 1 of 1 : SP\_2016\_RD0563\_210\_67\_20160308\_00060.jpg



Looking east at dense vegetation at landward toe.

LM Start	3.02	Rating **	U	Issue No.	74
LM End	3.21	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.210212 °	38.209165 °
				-121.536728 °	-121.539920 °
DWR ID	DWR_RD0563_01_s_2012_74				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Dead berryvines at landside toe blocking view of toe.					

Photo 1 of 4 : SP\_2016\_RD0563\_210\_74\_20160330\_00244.jpg



Looking southeast at berryvines at landward toe., (Spring 2016)

<b>* Location</b>		<b>** Rating</b>		<b>+ Issue Type</b>	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

### Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	03/28/2016 03/28/2016	Richard Willoughby

LM Start	3.02	Rating **	U	Issue No.	74 (cont)	
LM End	3.21	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Vegetation			38.210212 °		38.209165 °
				-121.536728 °		-121.539920 °
DWR ID	DWR_RD0563_01_s_2012_74					
Comment Code						
V2 : Remove the wild growth other than native grasses from the levee slopes.						
Inspector Comment						
Dead berryvines at landside toe blocking view of toe.						

LM Start	<b>3.02</b>	Rating **	U	Issue No.	<b>74 (cont)</b>
LM End	<b>3.21</b>	Issue Type +	Ma	Location *	LS

Photo 2 of 4 : SP\_2016\_RD0563\_210\_74\_20160308\_00067.jpg



Looking southeast at dense berryvines at landward toe. (Spring 2015)

Photo 3 of 4 : SP\_2016\_RD0563\_210\_74\_20160308\_00068.jpg



Looking southeast at dead berryvine on landside toe. (Fall 2014)

LM Start	<b>3.02</b>	Rating **	U	Issue No.	<b>74 (cont)</b>
LM End	<b>3.21</b>	Issue Type +	Ma	Location *	LS

Photo 4 of 4 : SP\_2016\_RD0563\_210\_74\_20160308\_00069.jpg



Looking southeast at berryvines on landside toe. (Fall 2014)

* Location LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
---	--	---	--	---	--	--	--



**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

### Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	03/28/2016 03/28/2016	Richard Willoughby

LM Start	3.06	Rating **	U	Issue No.	78
LM End	3.06	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.210240 °	38.210240 °
				-121.537517 °	-121.537517 °
DWR ID	DWR_RD0563_01_s_2012_78				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					
Slope damage on landward shoulder and slope.					

LM Start	<b>3.06</b>	Rating **	U	Issue No.	<b>78 (cont)</b>
LM End	<b>3.06</b>	Issue Type +	Ma	Location *	LS

Photo 1 of 5 : SP\_2016\_RD0563\_210\_78\_20160330\_00247.jpg



Looking west at finger erosion on landward slope. (Spring 2016)

Photo 2 of 5 : SP\_2016\_RD0563\_210\_78\_20160308\_00077.jpg



Looking east at slope erosion cause by runoff on landside slope.

Photo 3 of 5 : SP\_2016\_RD0563\_210\_78\_20160308\_00078.jpg



Looking east at slope damage on 10/31/2012, no change in status.

LM Start	<b>3.06</b>	Rating **	U	Issue No.	<b>78 (cont)</b>
LM End	<b>3.06</b>	Issue Type +	Ma	Location *	LS

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
--	--	---	--	---	--

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

### Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	03/28/2016 03/28/2016	Richard Willoughby

LM Start	3.06	Rating **	U	Issue No.	78 (cont)	
LM End	3.06	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Slope Stability			38.210240 °		38.210240 °
				-121.537517 °		-121.537517 °
DWR ID	DWR_RD0563_01_s _ 2012_78					
Comment Code						
S1 : Repair slope instability.						
Inspector Comment						
Slope damage on landward shoulder and slope.						

Photo 4 of 5 : SP\_2016\_RD0563\_210\_78\_20160308\_00079.jpg



Looking east at slope erosion. (Updated Spring 2012)

LM Start	<b>3.06</b>	Rating **	U	Issue No.	<b>78 (cont)</b>
LM End	<b>3.06</b>	Issue Type +	Ma	Location *	LS

Photo 5 of 5 : SP\_2016\_RD0563\_210\_78\_20160308\_00080.jpg



Looking west at slope erosion cause by runoff on landside slope.

LM Start	3.11	Rating **	U	Issue No.	763
LM End	3.21	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.210005 °	38.209229 °
				-121.538452 °	-121.539855 °
DWR ID	DWR_RD0563_01_s _ 2015_763				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Dense vegetation (willows) at landward toe.					

Photo 1 of 2 : SP\_2016\_RD0563\_210\_763\_20160330\_00248.jpg



Looking south at dense vegetation (willows) at landward toe. (Spring 2016)

<b>* Location</b>		<b>** Rating</b>		<b>+ Issue Type</b>	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	



**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

### Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	03/28/2016 03/28/2016	Richard Willoughby

LM Start	3.11	Rating **	U	Issue No.	763 (cont)	
LM End	3.21	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Vegetation			38.210005 °		38.209229 °
				-121.538452 °		-121.539855 °
DWR ID	DWR_RD0563_01_s_2015_763					
Comment Code						
V2 : Remove the wild growth other than native grasses from the levee slopes.						
Inspector Comment						
Dense vegetation (willows) at landward toe.						

Photo 2 of 2 : SP\_2016\_RD0563\_210\_763\_20160308\_00141.jpg



Looking south at dense vegetation at landward slope and toe. (Spring 2015)

LM Start	3.21	Rating **	U	Issue No.	68
LM End	3.21	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.209217 °	38.209217 °
				-121.539823 °	-121.539823 °
DWR ID	DWR_RD0563_01_s_2012_68				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

Photo 1 of 2 : SP\_2016\_RD0563\_210\_68\_20160308\_00061.jpg



Looking south at dense trees on landward slope.

LM Start	<b>3.21</b>	Rating **	U	Issue No.	<b>68 (cont)</b>
LM End	<b>3.21</b>	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : SP\_2016\_RD0563\_210\_68\_20160308\_00062.jpg



Looking southeast at dense trees on landside slope and toe.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	





**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

### Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	03/28/2016 03/28/2016	Richard Willoughby

LM Start	3.50	Rating **	A/W	Issue No.	84 (cont)	
LM End	3.50	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Vegetation			38.205130 °		38.205130 °
				-121.540397 °		-121.540397 °
DWR ID	DWR_RD0563_01_f_2012_84					
Comment Code						
V2 : Remove the wild growth other than native grasses from the levee slopes.						
Inspector Comment						
Vegetation at landward toe.						

Photo 2 of 2 : SP\_2016\_RD0563\_210\_84\_20160308\_00086.jpg



Looking southeast at dense berryvines on landward toe.

LM Start	3.91	Rating **	M	Issue No.	38
LM End	4.01	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.200733 °	38.199925 °
				-121.542571 °	-121.544249 °
DWR ID	DWR_RD0563_01_s_2016_38				
Comment Code					
Inspector Comment					
1997 - Narrow eroding berm upstream of existing rock. 2001 - Staked, low fascine walls at bankline. 2011 - Minor new erosion. Site extended downstream. 2012 - Rock repair failing in one erosion pocket. 2015: Last observed in 2013. [2015 Site ID: GEO_8-3_L]					

Photo 1 of 1 : SP\_2016\_RD0563\_210\_38\_20160308\_00037.jpg



USACE 2013 Photo #1

LM Start	4.63	Rating **	U	Issue No.	88
LM End	4.63	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.193078 °	38.193078 °
				-121.551047 °	-121.551047 °
DWR ID	DWR_RD0563_01_s_2012_88				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

Photo 1 of 1 : SP\_2016\_RD0563\_210\_88\_20160308\_00093.jpg



Looking south at dense trees on landside slope and toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
--	--	--	--	---	--	---	--

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

### Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	03/28/2016 03/28/2016	Richard Willoughby

LM Start	4.98	Rating **	M	Issue No.	45
LM End	5.04	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.190073 °	38.189524 °
				-121.556307 °	-121.557227 °
DWR ID	DWR_RD0563_01_s_2016_45				
Comment Code					
Inspector Comment					
2009 - Small scallops of erosion into the levee toe behind brush boxes. 2011 - Minor new erosion. 2012 - Site extended upstream to account for addition erosion pockets. 2015: Last observed in 2013. [2015 Site ID: GEO_7-2_L]					

Photo 1 of 1 : SP\_2016\_RD0563\_210\_45\_20160308\_00044.jpg



USACE 2013 Photo #1

LM Start	5.15	Rating **	U	Issue No.	46
LM End	5.39	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.188216 °	38.185968 °
				-121.558442 °	-121.561667 °
DWR ID	DWR_RD0563_01_s_2016_46				
Comment Code					
Inspector Comment					
1997 - Deep pockets of erosion into a narrow berm just downstream of the rock. 2000 - Scallops in banks with small colored flags, some new biotech rolls in with older rolls in the scallops. 2001 - Staked , low fascine walls at the bankline. 2011 - Site upgraded to CRITICAL. Site extended upstream due to new erosion pocket. New tree popouts and new erosion. 2013 - Pipe observed at upstream end of site. 2015: Last observed in 2013. [2015 Site ID: GEO_6-8_L]					

Photo 1 of 1 : SP\_2016\_RD0563\_210\_46\_20160308\_00045.jpg



USACE 2013 Photo #1

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	--	---



**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

### Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	03/28/2016 03/28/2016	Richard Willoughby

LM Start	5.40	Rating **	A/W	Issue No.	24
LM End	5.43	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.185772 °	38.185595 °
				-121.561613 °	-121.562228 °
DWR ID	DWR_RD0563_01_s_2013_24				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	5.49	Rating **	M	Issue No.	55
LM End	6.27	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.185479 °	38.181359 °
				-121.563296 °	-121.576292 °
DWR ID	DWR_RD0563_01_s_2016_55				
Comment Code					
Inspector Comment					
1997 - Deep pockets of erosion and narrow berm. Reach is characterized by lots of pockets into the existing berm and/or levee slope. 1999 - Some pockets filled with rock riprap. 2000 - Exposed fabric. 2001 - Staked, low fascine walls at bankline. 2002 - New spot of rock at upstream end. Some new brush boxes. 2005 - Some stone sliding off the underlying geotextile fabric. Some new brush bundles in the brush boxes; some with missing bundles. Some boxes too low relative to high tide. 2009 - Minimal new erosion, site length extended. 2010 - New erosion on downstream end, site extended downstream. 2011 - Sites 6.1, 6.4 and 6.6 were combined. New erosion pockets, site extended to include the erosion in between the old sites. 2012 - Rock has been placed in portions of the bank since last year. 2015: Last observed in 2013. [2015 Site ID: GEO_6-3_L]					

Photo 1 of 1 : SP\_2016\_RD0563\_210\_55\_20160308\_00053.jpg



USACE 2013 Photo #1

* Location LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
---	--	--	--	--	--

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

### Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	03/28/2016 03/28/2016	Richard Willoughby

LM Start	5.92	Rating **	U	Issue No.	22
LM End	5.96	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.181965 °	38.181763 °
				-121.569913 °	-121.570447 °
DWR ID	DWR_RD0563_01_s _ 2012_22				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Large cactus on landward slope.					

Photo 1 of 2 : SP\_2016\_RD0563\_210\_22\_20160308\_00023.jpg



Looking at north end of cactus on the landside slope.

LM Start	<b>5.92</b>	Rating **	U	Issue No.	<b>22 (cont)</b>
LM End	<b>5.96</b>	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : SP\_2016\_RD0563\_210\_22\_20160308\_00024.jpg



Large cactus plant on landward slope from LM 6.04 to 6.08

LM Start	5.96	Rating **	M	Issue No.	35
LM End	5.96	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.181732 °	38.181732 °
				-121.570524 °	-121.570524 °
DWR ID	DWR_RD0563_01_s _ 2012_35				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	--	---

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

### Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	03/28/2016 03/28/2016	Richard Willoughby

LM Start	6.00	Rating **	A/W	Issue No.	70
LM End	6.00	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.181503 °	38.181503 °
				-121.571263 °	-121.571263 °
DWR ID	DWR_RD0563_01_s_2012_70				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	6.26	Rating **	A/W	Issue No.	23
LM End	6.28	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.181273 °	38.181165 °
				-121.575873 °	-121.576217 °
DWR ID	DWR_RD0563_01_s_2012_23				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

Photo 1 of 1 : SP\_2016\_RD0563\_210\_23\_20160308\_00025.jpg



Looking south at trees on landward shoulder.

LM Start	6.38	Rating **	M	Issue No.	44
LM End	6.46	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.180462 °	38.179319 °
				-121.577895 °	-121.578566 °
DWR ID	DWR_RD0563_01_s_2016_44				
Comment Code					
Inspector Comment					
2013 - Erosion pockets into the levee prism. Erosion pockets primarily located behind unmaintained brush boxes. 2015: Last observed in 2013. [2015 Site ID: GEO_5-8_L]					

Photo 1 of 1 : SP\_2016\_RD0563\_210\_44\_20160308\_00043.jpg



USACE 2013 Photo #1

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	



**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

### Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	03/28/2016 03/28/2016	Richard Willoughby

LM Start	6.59	Rating **	U	Issue No.	164
LM End	6.62	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.177438 °	38.177033 °
				-121.579151 °	-121.579344 °
DWR ID	DWR_RD0563_01_s _ 2016_164				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Dense vegetation (vines) at landward toe.					

Photo 1 of 1 : SP\_2016\_RD0563\_210\_164\_20160330\_00250.jpg



Looking east at dense vegetation (vines) at landward toe.

LM Start	6.64	Rating **	M	Issue No.	766
LM End	6.64	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.176820 °	38.176820 °
				-121.579444 °	-121.579444 °
DWR ID	DWR_RD0563_01_s _ 2015_766				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	--	---

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

### Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	03/28/2016 03/28/2016	Richard Willoughby

LM Start	6.64	Rating **	M	Issue No.	51
LM End	7.28	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.176861 °	38.167959 °
				-121.579747 °	-121.581616 °
DWR ID	DWR_RD0563_01_s_2016_51				
Comment Code					
Inspector Comment					
1997 - Pocket erosion into the toe of the levee. 2000 - Scallops in banks with small colored flags, biotech rolls present. 2001 - Staked, low fascine walls at bankline. 2003 - Still have visibly bad spots, especially at the upstream end. 2005 - Some new brush bundles in the brush boxes; some with missing bundles. Some boxes too low relative to high tide. 2010 - Site extended upstream. 2011 - Minor new erosion. 2015: Last observed in 2013. [2015 Site ID: GEO 5-3 L]					

Photo 1 of 1 : SP\_2016\_RD0563\_210\_51\_20160308\_00050.jpg



USACE 2013 Photo #1

LM Start	6.74	Rating **	A/W	Issue No.	105
LM End	6.74	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.175444 °	38.175444 °
				-121.580054 °	-121.580054 °
DWR ID	DWR_RD0563_01_f_2013_105				
Comment Code					
TR : Tree or limb					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	--	---

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

### Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	03/28/2016 03/28/2016	Richard Willoughby

LM Start	6.75	Rating **	U	Issue No.	145
LM End	6.79	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.175219 °	38.174743 °
				-121.580053 °	-121.580016 °
DWR ID	DWR_RD0563_01_s_2014_145				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					
Untrimmed trees blocking view of landward toe.					

Photo 1 of 1 : SP\_2016\_RD0563\_210\_145\_20160308\_00132.jpg



Looking southeast at dense vegetation on landward slope and toe.

LM Start	6.89	Rating **	M	Issue No.	87
LM End	6.89	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.173323 °	38.173323 °
				-121.579628 °	-121.579628 °
DWR ID	DWR_RD0563_01_s_2013_87				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	6.95	Rating **	M	Issue No.	95
LM End	6.95	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.172351 °	38.172351 °
				-121.579520 °	-121.579520 °
DWR ID	DWR_RD0563_01_f_2012_95				
Comment Code					
PR : Prunings					
Inspector Comment					
Prunings should be burned or removed from waterward slope.					

Photo 1 of 1 : SP\_2016\_RD0563\_210\_95\_20160308\_00104.jpg



Looking southwest at prunings on waterward slope.

**\* Location**  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

**\*\* Rating**  
A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement



**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

### Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	03/28/2016 03/28/2016	Richard Willoughby

LM Start	7.14	Rating **	U	Issue No.	151
LM End	7.14	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.169705 °	38.169705 °
				-121.580355 °	-121.580355 °
DWR ID	DWR_RD0563_01_f_2014_151				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Dense berryvines at landward toe.					

Photo 1 of 1 : SP\_2016\_RD0563\_210\_151\_20160330\_00252.jpg



Looking southeast at dense vegetation at landward toe.

LM Start	7.42	Rating **	U	Issue No.	27
LM End	7.47	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.165981 °	38.165273 °
				-121.582394 °	-121.582593 °
DWR ID	DWR_RD0563_01_s_2015_27				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Dense vegetation at landward toe.					

Photo 1 of 1 : SP\_2016\_RD0563\_210\_27\_20160308\_00028.jpg



Looking southeast at dense vegetation within landward right away.

LM Start	7.50	Rating **	A/W	Issue No.	89
LM End	7.50	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.164927 °	38.164927 °
				-121.582680 °	-121.582680 °
DWR ID	DWR_RD0563_01_s_2012_89				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Broken tree branch on waterside slope.					

Photo 1 of 1 : SP\_2016\_RD0563\_210\_89\_20160308\_00094.jpg



Looking southwest at downed limbs on waterside slope.

**\* Location**  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

**\*\* Rating**  
A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

### Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	03/28/2016 03/28/2016	Richard Willoughby

LM Start	7.53	Rating **	U	Issue No.	53
LM End	7.80	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.164462 °	38.160888 °
				-121.583092 °	-121.584807 °
DWR ID	DWR_RD0563_01_s _ 2016_53				
Comment Code					
Inspector Comment					
1997 - Pocket erosion at upstream end and into the levee toe under the Alder trees. 2003 - New brush boxes with wattles on bank. 2004 - No brush boxes. 2005 - Site extended from the downstream side of the bridge. Whole bank is vertical. 2010 - Some minor new erosion. 2011 - Site upgraded to CRITICAL. New erosion pockets throughout the site. Sites 4.5, and 4.6 were combined. 2015: Last observed in 2013. [2015 Site ID: GEO_4-5_L]					

Photo 1 of 1 : SP\_2016\_RD0563\_210\_53\_20160308\_00051.jpg



USACE 2013 Photo #1

LM Start	7.62	Rating **	M	Issue No.	97
LM End	7.62	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.163240 °	38.163240 °
				-121.583328 °	-121.583328 °
DWR ID	DWR_RD0563_01_s _ 2013_97				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					
Minor erosion on landside shoulder and slope.					

Photo 1 of 1 : SP\_2016\_RD0563\_210\_97\_20160308\_00107.jpg



Looking east at slope erosion on landward shoulder and slope.

* Location LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
---	--	--	--	--	--

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

### Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	03/28/2016 03/28/2016	Richard Willoughby

LM Start	7.74	Rating **	M	Issue No.	29
LM End	7.78	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.161607 °	38.161092 °
				-121.584258 °	-121.584470 °
DWR ID	DWR_RD0563_01_s _ 2012_29				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					
Dense (untrimmed) trees on landward slope.					

Photo 1 of 1 : SP\_2016\_RD0563\_210\_29\_20160308\_00031.jpg



Looking southeast at dense trees on landward slope and toe.

LM Start	7.79	Rating **	M	Issue No.	165
LM End	7.79	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.160997 °	38.160997 °
				-121.584539 °	-121.584539 °
DWR ID	DWR_RD0563_01_s _ 2016_165				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Dead tree branch on waterward slope.					

No Photos

LM Start	7.80	Rating **	U	Issue No.	90
LM End	7.82	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.160800 °	38.160487 °
				-121.584598 °	-121.584717 °
DWR ID	DWR_RD0563_01_s _ 2012_90				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Berryvines and willows on landside toe.					

Photo 1 of 5 : SP\_2016\_RD0563\_210\_90\_20160308\_00095.jpg



Looking southeast at dense vegetation at landward toe. (Spring 2015)

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain			



**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

### Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	03/28/2016 03/28/2016	Richard Willoughby

LM Start	7.80	Rating **	U	Issue No.	90 (cont)	
LM End	7.82	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Vegetation			38.160800 °		38.160487 °
				-121.584598 °		-121.584717 °
DWR ID	DWR_RD0563_01_s_2012_90					
Comment Code						
V2 : Remove the wild growth other than native grasses from the levee slopes.						
Inspector Comment						
Berryvines and willows on landside toe.						

LM Start	<b>7.80</b>	Rating **	U	Issue No.	<b>90 (cont)</b>
LM End	<b>7.82</b>	Issue Type +	Ma	Location *	LS

Photo 2 of 5 : SP\_2016\_RD0563\_210\_90\_20160308\_00096.jpg



Looking northeast at dense vegetation on landside toe.

Photo 3 of 5 : SP\_2016\_RD0563\_210\_90\_20160308\_00097.jpg



Looking south at dense vegetation on landside toe. (2012 Fall Inspection)

LM Start	<b>7.80</b>	Rating **	U	Issue No.	<b>90 (cont)</b>
LM End	<b>7.82</b>	Issue Type +	Ma	Location *	LS

Photo 4 of 5 : SP\_2016\_RD0563\_210\_90\_20160308\_00098.jpg



Looking northeast at dense vegetation on landside toe. (2012 Fall Inspection)

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
--	--	--	--	---	--	---	--

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

### Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	03/28/2016 03/28/2016	Richard Willoughby

LM Start	7.80	Rating **	U	Issue No.	90 (cont)	
LM End	7.82	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Vegetation			38.160800 °		38.160487 °
				-121.584598 °		-121.584717 °
DWR ID	DWR_RD0563_01_s_2012_90					
Comment Code						
V2 : Remove the wild growth other than native grasses from the levee slopes.						
Inspector Comment						
Berryvines and willows on landside toe.						

Photo 5 of 5 : SP\_2016\_RD0563\_210\_90\_20160308\_00099.jpg



Looking southwest at dense vegetation on landside toe.

LM Start	7.85	Rating **	M	Issue No.	13
LM End	8.05	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.160261 °	38.157625 °
				-121.585056 °	-121.586543 °
DWR ID	DWR_RD0563_01_s_2016_13				
Comment Code					
Inspector Comment					
1997 - Pockets of erosion into the levee toe. 1999 - Minor rock riprap and willow bundles place in a couple of spots. 2001 - Staked, low fascine walls at bankline. 2003 - Small unprotected pockets still eroding. 2004 - Numerous brush boxes, some falling apart, some with new bundles. 2005 - Some new brush boxes installed; some boxes are empty. Levee slope and banks still look bad with pocket scallops into the levee slopes. 2011 - Erosion continues and the number of pockets is increasing. 2013 - Some of the downstream end was repaired by the RD. 2015: Last observed in 2013. [2015 Site ID: GEO_4-3_L]					

Photo 1 of 1 : SP\_2016\_RD0563\_210\_13\_20160308\_00018.jpg



USACE 2013 Photo #1

* Location LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
---	--	--	--	--	--

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

### Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	03/28/2016 03/28/2016	Richard Willoughby

LM Start	8.12	Rating **	M	Issue No.	40
LM End	8.59	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.156987 °	38.152919 °
				-121.587427 °	-121.591129 °
DWR ID	DWR_RD0563_01_s_2016_40				
Comment Code					
Inspector Comment					
1997 - Pockets of erosion into the levee at the water line. Alders are being undercut and rotating out into the channel. Damaged rock at upstream end. 2000 - New minor erosion. 2001 - Staked low fascine walls at bankline. 2002 - New "Brush Boxes" along the bank toe. 2003 - New erosion pockets in the middle of the site. 2005 - Some new bundles in the brush boxes. 2011 - Site upgraded to CRITICAL. Significant new erosion. Sites 3.6, 3.7, 3.71, and 4.0 were combined. 2012 - Rock has been placed in some of the erosion pockets since last year, however site remains critical. 2013 - Site no longer critical. The worst pockets were filled with rock by the local RD. 2015: Last observed in 2013. [2015 Site ID: GEO_3-8_L]					

Photo 1 of 1 : SP\_2016\_RD0563\_210\_40\_20160308\_00039.jpg



USACE 2013 Photo #1

LM Start	8.18	Rating **	U	Issue No.	767
LM End	8.18	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.156878 °	38.156878 °
				-121.588505 °	-121.588505 °
DWR ID	DWR_RD0563_01_s_2015_767				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Dense vegetation blocking landward toe.					

Photo 1 of 1 : SP\_2016\_RD0563\_210\_767\_20160308\_00142.jpg



Looking east at dense wild vines at landward toe.

* Location LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
---	--	--	--	--	--



**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

### Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	03/28/2016 03/28/2016	Richard Willoughby

LM Start	8.38	Rating **	U	Issue No.	31
LM End	8.41	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.155974 °	38.155543 °
				-121.591452 °	-121.591595 °
DWR ID	DWR_RD0563_01_s_2012_31				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

Photo 1 of 1 : SP\_2016\_RD0563\_210\_31\_20160308\_00032.jpg



Looking southeast at untrimmed trees on landward slope and toe.

LM Start	9.04	Rating **	M	Issue No.	166
LM End	11.99	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			38.148174 °	38.130734 °
				-121.586156 °	-121.579887 °
DWR ID	DWR_RD0563_01_s_2016_166				
Comment Code					
C1 : Add appropriate material and re-grade the levee to bring the crown above the design elevation.					
Inspector Comment					

No Photos

LM Start	9.10	Rating **	A/W	Issue No.	154
LM End	12.02	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.147398 °	38.130748 °
				-121.586463 °	-121.579300 °
DWR ID	DWR_RD0563_01_f_2014_154				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

### Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	03/28/2016 03/28/2016	Richard Willoughby

LM Start	9.14	Rating **	A/W	Issue No.	155
LM End	9.14	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.146848 °	38.146848 °
				-121.586753 °	-121.586753 °
DWR ID	DWR_RD0563_01_f_2014_155				
Comment Code					
T4 : Trim trees over roadway to at least 12 feet above ground level.					
Inspector Comment					

No Photos

LM Start	9.21	Rating **	A/W	Issue No.	37
LM End	9.25	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.146164 °	38.145913 °
				-121.587538 °	-121.588193 °
DWR ID	DWR_RD0563_01_s_2012_37				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	9.24	Rating **	M	Issue No.	768
LM End	9.24	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.145915 °	38.145915 °
				-121.588175 °	-121.588175 °
DWR ID	DWR_RD0563_01_s_2015_768				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable                      N : Not Inspected/Rated M : Minimally Acceptable        C : Corrected U : Unacceptable                  A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
--	--	---	--	---	--

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

### Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	03/28/2016 03/28/2016	Richard Willoughby

LM Start	9.25	Rating **	M	Issue No.	106
LM End	9.25	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.145909 °	38.145909 °
				-121.588198 °	-121.588198 °
DWR ID	DWR_RD0563_01_f_2013_106				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	9.28	Rating **	U	Issue No.	98
LM End	9.28	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.145825 °	38.145825 °
				-121.588807 °	-121.588807 °
DWR ID	DWR_RD0563_01_s_2013_98				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

Photo 1 of 1 : SP\_2016\_RD0563\_210\_98\_20160308\_00108.jpg



Looking southeast at untrimmed trees on landward slope.

LM Start	9.33	Rating **	U	Issue No.	73
LM End	9.33	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.145957 °	38.145957 °
				-121.589653 °	-121.589653 °
DWR ID	DWR_RD0563_01_s_2012_73				
Comment Code					
PR : Prunings					
Inspector Comment					
Large pruning pile on landward toe.					

Photo 1 of 2 : SP\_2016\_RD0563\_210\_73\_20160308\_00065.jpg



Looking east at prunings at landward toe. (Spring 2015)

**\* Location**

LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement



**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

### Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	03/28/2016 03/28/2016	Richard Willoughby

LM Start	9.33	Rating **	U	Issue No.	73 (cont)	
LM End	9.33	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Encroachments			38.145957 °		38.145957 °
				-121.589653 °		-121.589653 °
DWR ID	DWR_RD0563_01_s _ 2012_73					
Comment Code						
PR : Prunings						
Inspector Comment						
Large pruning pile on landward toe.						

Photo 2 of 2 : SP\_2016\_RD0563\_210\_73\_20160308\_00066.jpg



Looking east at prunings on landward slope. (Spring 2013)

LM Start	9.36	Rating **	U	Issue No.	769
LM End	9.43	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.146276 °	38.147034 °
				-121.590189 °	-121.590907 °
DWR ID	DWR_RD0563_01_s _ 2015_769				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

Photo 1 of 1 : SP\_2016\_RD0563\_210\_769\_20160308\_00143.jpg



Looking east at dense vegetation at landward toe. (Spring 2015)

LM Start	9.64	Rating **	U	Issue No.	36
LM End	9.64	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.149790 °	38.149790 °
				-121.592788 °	-121.592788 °
DWR ID	DWR_RD0563_01_s _ 2012_36				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					
Vegetation blocking view of levee slope.					

Photo 1 of 1 : SP\_2016\_RD0563\_210\_36\_20160308\_00036.jpg



Looking south at elderberry on landward slope.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

### Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	03/28/2016 03/28/2016	Richard Willoughby

LM Start	9.65	Rating **	M	Issue No.	99
LM End	9.65	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			38.149905 °	38.149905 °
				-121.592910 °	-121.592910 °
DWR ID	DWR_RD0563_01_s _ 2013_99				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					
Finger erosion on landward shoulder and slope.					

Photo 1 of 2 : SP\_2016\_RD0563\_210\_99\_20160308\_00109.jpg



Looking west at minor erosion on landward shoulder and slope.

LM Start	9.65	Rating **	M	Issue No.	99 (cont)
LM End	9.65	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : SP\_2016\_RD0563\_210\_99\_20160308\_00110.jpg



Looking north at minor erosion on landward shoulder and slope.

LM Start	9.73	Rating **	M	Issue No.	41
LM End	9.90	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.150820 °	38.150647 °
				-121.593650 °	-121.596858 °
DWR ID	DWR_RD0563_01_s _ 2016_41				
Comment Code					
Inspector Comment					
1997 - Erosion pockets into the toe of the levee. 2001 - Staked low fascine walls at the bankline. 2004 - Numerous "Brush Boxes." 2005 - Some new bundles in the brush boxes. 2012 - Site extended downstream to account for new bank sloughing. 2013 - Some rock added to the upstream end by the local RD. 2015: Last observed in 2013. [2015 Site ID: GEO_2-5_L]					

Photo 1 of 1 : SP\_2016\_RD0563\_210\_41\_20160308\_00040.jpg



USACE 2013 Photo #1

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

### Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	03/28/2016 03/28/2016	Richard Willoughby

LM Start	9.82	Rating **	A/W	Issue No.	947
LM End	9.82	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.150943 °	38.150943 °
				-121.595488 °	-121.595488 °
DWR ID	DWR_RD0563_01_s _ 2012_947				
Comment Code					
PR : Prunings					
Inspector Comment					

No Photos

LM Start	10.45	Rating **	M	Issue No.	43
LM End	10.74	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.143519 °	38.139918 °
				-121.599677 °	-121.596986 °
DWR ID	DWR_RD0563_01_s _ 2016_43				
Comment Code					
Inspector Comment					
1997 - Old damaged rock riprap along the toe. 1999 - Downstream end (400 ft) repaired with rock. 2002 - New rock/concrete rubble section on the downstream end. 2004 - Small pocket repairs at the downstream end. 2005 - Some new bundles in the brush boxes. 2012 - Some rock has been placed in last year. 2015: Last observed in 2013. [2015 Site ID: GEO_1-7_L]					

Photo 1 of 1 : SP\_2016\_RD0563\_210\_43\_20160308\_00042.jpg



USACE 2013 Photo #1

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	---	---



**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

### Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	03/28/2016 03/28/2016	Richard Willoughby

LM Start	10.59	Rating **	U	Issue No.	77
LM End	10.64	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.141957 °	38.141362 °
				-121.598058 °	-121.597598 °
DWR ID	DWR_RD0563_01_s_2012_77				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					
Several rodent holes and rodents noted at this site.					

LM Start	<b>10.59</b>	Rating **	U	Issue No.	<b>77 (cont)</b>
LM End	<b>10.64</b>	Issue Type +	Ma	Location *	LS

Photo 1 of 4 : SP\_2016\_RD0563\_210\_77\_20160330\_00253.jpg



Looking at typical rodent hole on landward slope. (Spring 2016)

Photo 2 of 4 : SP\_2016\_RD0563\_210\_77\_20160308\_00074.jpg



Looking southeast at several rodent holes on landward slope.

LM Start	<b>10.59</b>	Rating **	U	Issue No.	<b>77 (cont)</b>
LM End	<b>10.64</b>	Issue Type +	Ma	Location *	LS

Photo 3 of 4 : SP\_2016\_RD0563\_210\_77\_20160308\_00075.jpg



Looking south at several rodent holes on landward slope.

* Location LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
---	--	---	--	---	--	--	--

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

### Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	03/28/2016 03/28/2016	Richard Willoughby

LM Start	10.59	Rating **	U	Issue No.	77 (cont)	
LM End	10.64	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Animal Control			38.141957 °		38.141362 °
				-121.598058 °		-121.597598 °
DWR ID	DWR_RD0563_01_s_2012_77					
Comment Code						
A1 : Exterminate rodents and backfill and compact or grout burrows.						
Inspector Comment						
Several rodent holes and rodents noted at this site.						

Photo 4 of 4 : SP\_2016\_RD0563\_210\_77\_20160308\_00076.jpg



Looking at typical rodent holes on landward slope.

LM Start	10.59	Rating **	M	Issue No.	76
LM End	10.59	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.141940 °	38.141940 °
				-121.598033 °	-121.598033 °
DWR ID	DWR_RD0563_01_s_2012_76				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					
Deep depression on landside shoulder and slope; possible pipe collapse.					

Photo 1 of 4 : SP\_2016\_RD0563\_210\_76\_20160308\_00070.jpg



Looking northeast a depression on landside shoulder and slope above 10" irrigation pipe four feet below crown.

LM Start	<b>10.59</b>	Rating **	M	Issue No.	<b>76 (cont)</b>
LM End	<b>10.59</b>	Issue Type +	Ma	Location *	LS

Photo 2 of 4 : SP\_2016\_RD0563\_210\_76\_20160308\_00071.jpg



Looking east at water ponding at landside toe just above 10" irrigation pipe.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	



**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

### Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	03/28/2016 03/28/2016	Richard Willoughby

LM Start	10.59	Rating **	M	Issue No.	76 (cont)	
LM End	10.59	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Slope Stability			38.141940 °		38.141940 °
				-121.598033 °		-121.598033 °
DWR ID	DWR_RD0563_01_s_2012_76					
Comment Code						
S1 : Repair slope instability.						
Inspector Comment						
Deep depression on landside shoulder and slope; possible pipe collapse.						

Photo 3 of 4 : SP\_2016\_RD0563\_210\_76\_20160308\_00072.jpg



Looking west at depression on landside shoulder and slope from landside toe.

LM Start	<b>10.59</b>	Rating **	M	Issue No.	<b>76 (cont)</b>
LM End	<b>10.59</b>	Issue Type +	Ma	Location *	LS

Photo 4 of 4 : SP\_2016\_RD0563\_210\_76\_20160308\_00073.jpg



Looking west at depression on landside shoulder and slope.

LM Start	10.67	Rating **	U	Issue No.	100
LM End	10.81	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.140886 °	38.139079 °
				-121.597280 °	-121.596214 °
DWR ID	DWR_RD0563_01_s_2013_100				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Wild rose or grape vines on landward slope and toe.					

Photo 1 of 3 : SP\_2016\_RD0563\_210\_100\_20160308\_00111.jpg



Looking northeast at dense vegetation at landward toe. (Spring 2015)

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
--	--	--	--	---	--	---	--



**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

### Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	03/28/2016 03/28/2016	Richard Willoughby

LM Start	10.67	Rating **	U	Issue No.	100 (cont)	
LM End	10.81	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Vegetation			38.140886 °		38.139079 °
				-121.597280 °		-121.596214 °
DWR ID	DWR_RD0563_01_s _ 2013_100					
Comment Code						
V2 : Remove the wild growth other than native grasses from the levee slopes.						
Inspector Comment						
Wild rose or grape vines on landward slope and toe.						

Photo 2 of 3 : SP\_2016\_RD0563\_210\_100\_20160308\_00112.jpg



Looking south at dense vegetation at landward toe. (Fall 2014)

LM Start	<b>10.67</b>	Rating **	U	Issue No.	<b>100 (cont)</b>
LM End	<b>10.81</b>	Issue Type +	Ma	Location *	LS

Photo 3 of 3 : SP\_2016\_RD0563\_210\_100\_20160308\_00113.jpg



Looking south at additional dense vegetation at landward toe.

LM Start	11.01	Rating **	U	Issue No.	770
LM End	12.00	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.136623 °	38.130739 °
				-121.594216 °	-121.579678 °
DWR ID	DWR_RD0563_01_s _ 2015_770				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

Photo 1 of 1 : SP\_2016\_RD0563\_210\_770\_20160308\_00144.jpg



Looking southeast at dense vegetation at landward toe. (Spring 2015)

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	--	---

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

### Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	03/28/2016 03/28/2016	Richard Willoughby

LM Start	11.24	Rating **	M	Issue No.	167
LM End	11.24	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.134224 °	38.134224 °
				-121.591406 °	-121.591406 °
DWR ID	DWR_RD0563_01_s _ 2016_167				
Comment Code					
PR : Prunings					
Inspector Comment					
Prunings on waterward slope.					

Photo 1 of 1 : SP\_2016\_RD0563\_210\_167\_20160330\_00254.jpg



Looking west at prunings on waterward slope.

LM Start	11.30	Rating **	A/W	Issue No.	952
LM End	11.40	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.133556 °	38.132462 °
				-121.590641 °	-121.589452 °
DWR ID	DWR_RD0563_01_s _ 2012_952				
Comment Code					
PR : Prunings					
Inspector Comment					

No Photos

LM Start	11.45	Rating **	M	Issue No.	91
LM End	11.45	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.131943 °	38.131943 °
				-121.588912 °	-121.588912 °
DWR ID	DWR_RD0563_01_s _ 2012_91				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 3 : SP\_2016\_RD0563\_210\_91\_20160308\_00100.jpg



Looking east at rodent hole on landside slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
--	--	---	--	---	--

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

### Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	03/28/2016 03/28/2016	Richard Willoughby

LM Start	11.45	Rating **	M	Issue No.	91 (cont)	
LM End	11.45	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Animal Control			38.131943 °		38.131943 °
				-121.588912 °		-121.588912 °
DWR ID	DWR_RD0563_01_s_2012_91					
Comment Code						
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.						
Inspector Comment						

Photo 2 of 3 : SP\_2016\_RD0563\_210\_91\_20160308\_00101.jpg



Looking west at rodent hole on landside slope.

LM Start	11.45	Rating **	M	Issue No.	91 (cont)
LM End	11.45	Issue Type +	Ma	Location *	LS

Photo 3 of 3 : SP\_2016\_RD0563\_210\_91\_20160308\_00102.jpg



Looking south at rodent holes on landside slope.

* Location LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
---	--	--	--	--	--



**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

### Reclamation District No. 0563 Tyler Island

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	03/28/2016 03/28/2016	Richard Willoughby

LM Start	11.51	Rating **	M	Issue No.	42
LM End	11.86	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2015 USACE Erosion Survey, DRAFT			38.131126 °	38.130368 °
				-121.588337 °	-121.582266 °
DWR ID	DWR_RD0563_01_s _ 2016_42				
Comment Code					
Inspector Comment					
1997 - Erosion pockets into the levee toe. 1999 - Some small pockets fixed with rock riprap. 2002 - New "brush boxes" along the bank toe. 2005 - Brush boxes are empty. Some pockets are filled with new stone. 2006 - Some new rock at the downstream end (~100 ft long). Several small pockets of new rock in scallops. Brush boxes in poor to fair condition. 2010 - Site looks a little worse, some toe rock but still has erosion scars at lower to mid slope. 2011 - Site upgraded to CRITICAL. Significant new erosion. Erosion scallops are vertical and almost the height of the levee. 2012 - Rock has been placed in some of the erosion scallops and therefore the site is no longer critical. 2013 - Site shortened site. The downstream half of site was repaired by RD. Pipe no longer in site limits. 2015: Last observed in 2013. [2015 Site ID: GEO 0-3 L]					

Photo 1 of 1 : SP\_2016\_RD0563\_210\_42\_20160308\_00041.jpg



USACE 2013 Photo #1

LM Start	11.89	Rating **	A/W	Issue No.	954
LM End	11.89	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.130607 °	38.130607 °
				-121.581710 °	-121.581710 °
DWR ID	DWR_RD0563_01_s _ 2012_954				
Comment Code					
PR : Prunings					
Inspector Comment					

No Photos

* Location LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
---	--	--	--	--	--

**Flood Control Project Maintenance  
Levee Inspections**

## Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2016

### Reclamation District No. 0563 Tyler Island

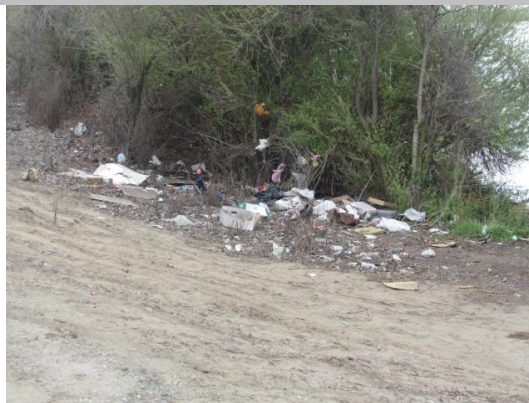
Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Georgiana Slough (Tyler Island)	Left	12.11	03/28/2016 03/28/2016	Richard Willoughby

LM Start	12.03	Rating **	A/W	Issue No.	160
LM End	12.09	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.130774 °	38.130678 °
				-121.579210 °	-121.577967 °
DWR ID	DWR_RD0563_01_f_2015_160				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

LM Start	12.03	Rating **	A/W	Issue No.	107
LM End	12.03	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.130776 °	38.130776 °
				-121.579063 °	-121.579063 °
DWR ID	DWR_RD0563_01_f_2013_107				
Comment Code					
GA : Garbage					
Inspector Comment					

Photo 1 of 1 : SP\_2016\_RD0563\_210\_107\_20160308\_00117.jpg



Looking southwest at garbage at waterward slope and toe.

LM Start	12.04	Rating **	M	Issue No.	47
LM End	12.04	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.130758 °	38.130758 °
				-121.579027 °	-121.579027 °
DWR ID	DWR_RD0563_01_s_2012_47				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

Photo 1 of 1 : SP\_2016\_RD0563\_210\_47\_20160308\_00046.jpg



Looking east at untrimmed tree at landward slope. (Spring 2015)

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
--	--	---	--	---	--